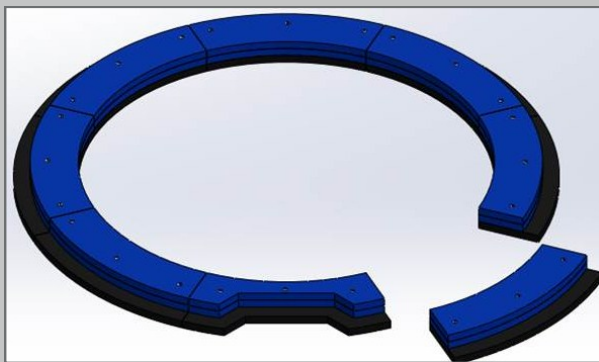
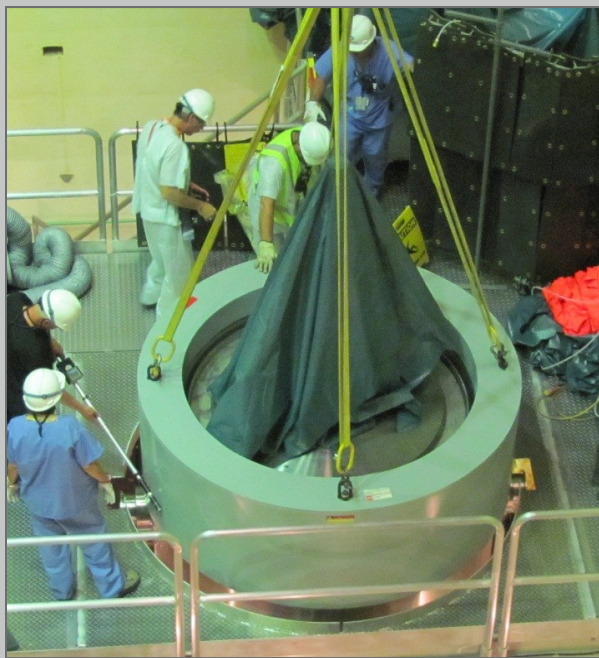
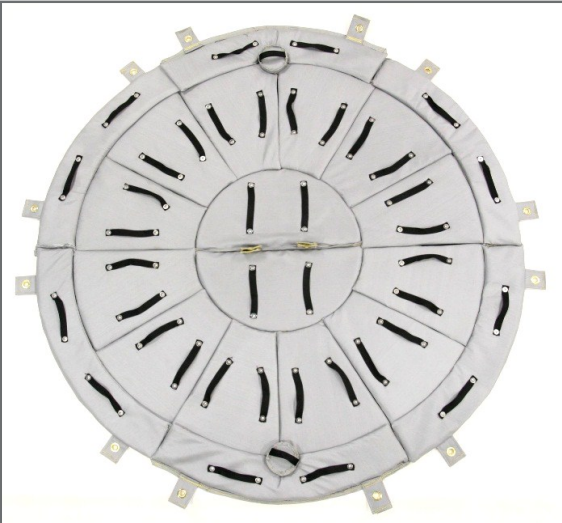


Dry Cask Shielding

npo[®]

A BRAND OF
EICHROM TECHNOLOGIES



product description

NPO offers a complete dry cask shielding solution, from the dry cask lead shields, which are standardized for each cask manufacturer and robotic welding system, to the transfer cask shield bell. NPO also offers skirt shielding for lateral and general area dose impact as well as specialty storage containers and lead snakes for gaps or for the annulus area.

benefits

- Install dry cask lead shield in less than 5 minutes.
- Cut dose with dry cask lead shield by 65 percent.
- Eliminate streaming with dry cask lead shield's optimal size.
- Provide gamma and neutron shielding with transfer cask shield bell.

dry cask lead shield

The ultra high-density lead shielding of the dry cask is optimally sized for fit, coverage and ergonomics, and includes a high-temperature alpha maritex cover. The 700 pound (approx.) dry cask provides a 67% reduction of gamma radiation (factor of 3 reduction). Modular pieces allow for removal only in the required areas to maximize dose reduction.

transfer cask shield bell

The transfer cask shield bell is comprised of a 1-inch thick carbon steel cylinder that provides gamma shielding and multiple layers of a high density, five percent borated polyethylene that provides neutron shielding. This 4800 pound bell sits 33 inches high and has an outside diameter of 90 inches. Included: four swiveling hoist rings for overhead lifting; an opening for accessing the drain; a vent port; fasteners on the inside of the bell; and a coating, inside and out, of two-part epoxy finish. Approx. gamma transmission is 33 percent (factor of 3 reduction) and approx. neutron transmission is 5 percent (factor of 20 reduction).

NEW dry cask rim shield

The dry cask rim shielding for robotic welding of cask lid is designed to provide shielding around the robotic weld head without interfering with the operation. A combination of tungsten T-Flex[®] and borated PE provide the best solution for neutron and gamma attenuation. Constructed as either modular pieces or a continuous ring, the approx. 420 pound shield provides a reduction of 60% of the neutron and 80% of the gamma radiation.

Dry Cask Shielding

Contact Us

npo®

A BRAND OF
EICHROM TECHNOLOGIES

npo

As a 35+ year veteran company to the shielding industry, employees at NPO attribute a great deal of our success to the partnerships established with our customers. At NPO, we work synergistically with our customers, adapting product designs that conform to their specifications. In fact, over the last three years alone, NPO has customized 199 new product parts to meet the unique ALARA challenges our customers have faced. We would like to extend this partnership to your team as well. Please contact us today to discuss how NPO can support you.

1955 University Lane

Lisle, IL 60532

(630) 963-0320

(800) 422-6693

www.eichrom.com

